# Clinica Chimica Acta, Vol. 191

# Author index

Akagi, K., see Tsuji, H. (191) 101
Arévalo, A.E., Ibarra-Rubio, M.E., Cruz, C.,
Peña, J.C. and Pedraza-Chaverrí, J.
Angiotensin I-converting enzyme activity in puromycin aminonucleoside-nephrotic syndrome (191) 175

Arvan, D.A., see Freund, G. (191) 123

and Sörbo, B.

Studies on lipoamidase: characterization of the enzyme in human serum and breast milk (191) 49

Bagrel, D., see Visvikis, A. (191) 221

Backman-Gullers, B., Hannestad, U., Nilsson, L.

Bagrel, D., see Visvikis, A. (191) 221
Benraad, T.J., see Tan, A.C.I.T.L. (191) 111
Berger, R., see Schierbeek, H. (191) 39
Bernard, D.J., see Moyret, C.F. (191) 61
Berthod, C., see Rey, F. (191) 21
Bijsterveld, K., see Schierbeek, H. (191) 39
Braillard, K., see Rey, F. (191) 21
Buckley, M.G., Sagnella, G.A., Markandu, N.D., Singer, D.R.J. and MacGregor, G.A.
Concentrations of N-terminal ProANP in human plasma: evidence for ProANP (1-98) as the circulating form (191) 1

Chan, A.W., see Fisken, R.A. (191) 79 Chapman, T.E., see Schierbeek, H. (191) 39 Chassagne, J., see Moyret, C.F. (191) 61 Chiodoni, G., see Rey, F. (191) 21 Chollet, P., see Moyret, C.F. (191) 61 Clausen, I., see Engback, F. (191) 239 Cruz, C., see Arévalo, A.E. (191) 175

Engasser, J.-M., see Visvikis, A. (191) 221
Engback, F., Sørensen, G.H., MacIntyre, B.,
Clausen, I., Lund, H.T. and Jastrup, B.
Interference of abnormal hemoglobins on the
measurement of hemoglobin A<sub>1c</sub> by ion-exchange chromatography (191) 239

Fischer, P., Scherberich, J.E. and Schoeppe, W. Comparative biochemical and immunological studies on gamma-glutamyltransferases from human kidney and renal cell carcinoma applying monoclonal antibodies (191) 185

Fisken, R.A., Chan, A.W., Hanlon, A. and Mac-Farlane, I.A. Longitudinal changes in serum fructosamine do not parallel those in glycated haemoglobin

Longitudinal changes in serum fructosamine do not parallel those in glycated haemoglobin in young adults with insulin-dependent diabetes (191) 79

Fournier, A., see Leflon, P. (191) 31 Freund, G. and Arvan, D.A.

Clinical biochemistry of preeclampsia and related liver diseases of pregnancy: a review (191) 123

Fujishima, M., see Tsuji, H. (191) 101

Goergen, J.-L., see Visvikis, A. (191) 221 Grewal, G.K. and Oliveira, D.B.G. Why serum F protein is a sensitive and specific marker of liver damage in man (191) 93

Hagelberg, S., see Lundsjö, A. (191) 201
Hanlon, A., see Fisken, R.A. (191) 79
Hannestad, U., see Backman-Gullers, B. (191) 49
Harb, J., see Massoubre, C. (191) 87
Hashimoto, T., Hisazumi, H. and Matsubara, F. Serum thyroxin binding globulin (TBG) changes during 8 MHz local radiofrequency hyperthermia (191) 107
Hisazumi, H., see Hashimoto, T. (191) 107

Ibarra-Rubio, M.E., see Arévalo, A.E. (191) 175 Irino, T., see Matsushita, M. (191) 97 Isobe, H., see Kondo, T. (191) 169 Iwata, K.

One-step sandwich enzyme immunoassay for human laminin using monoclonal antibodies (191) 211

Jastrup, B., see Engback, F. (191) 239

Kaartinen, V. and Mononen, I.

Detection of aspartylglycosaminuria using urine specimens recovered from absorbent filter paper (191) 15

Kajita, M., see Maehara, M. (191) 233 Karu, A.E., see La Belle, M. (191) 153

Kasidas, G.P., Nemat, S. and Rose, G.A.

Plasma oxalate and creatinine and oxalate/
creatinine clearance ratios in normal subjects
and in primary hyperoxaluria. Evidence for

renal hyperoxaluria (191) 67 Kawakami, Y., see Kondo, T. (191) 169 Kitoh, M., see Maehara, M. (191) 233

Kloppenborg, P.W.C., see Tan, A.C.I.T.L. (191) 111

Kondo, T., Murakami, K., Isobe, H., Taniguchi, N. and Kawakami, Y.

A simple enzyme-linked immunoassay of human carbonic anhydrase I for the study of developing erythroid cells (191) 169

Krauss, R.M., see La Belle, M. (191) 153

La Belle, M., Mok, K.S., Karu, A.E. and Krauss, R.M.

Increased immunoreactivity of apolipoprotein B epitopes during prolonged storage of low density lipoproteins (191) 153

Leflon, P., Plaquet, R., Morinière, P. and Fournier, A.

Determination of aluminium in bone in haemodialyzed patients, using inductively coupled argon plasma emission spectrometry (191) 31

Lemarchand-Béraud, T., see Rey, F. (191) 21 Lindblad, B.S., see Lundsjö, A. (191) 201 Lund, H.T., see Engback, F. (191) 239

Lundsjö, A., Hagelberg, S., Palmér, K. and Lindblad, B.S.

Amino acid profiles by HPLC after filter paper sampling: 'appropriate technology' for monitoring of nutritional status (191) 201

MacFarlane, I.A., see Fisken, R.A. (191) 79 MacGregor, G.A., see Buckley, M.G. (191) 1 MacIntyre, B., see Engback, F. (191) 239

Machara, M., Kajita, M., Kitoh, M. and Watanabe, K.

A reversed-phase high-performance liquid chromatographic method for the determination of pyruvate dehydrogenase complex activity in human platelets and cultured skin fibroblasts (191) 233

Machata, E., see Matsushita, M. (191) 97
Marc, A., see Visvikis, A. (191) 221
Markandu, N.D., see Buckley, M.G. (191) 1
Masliah, C., see Massoubre, C. (191) 87
Massoubre, C., Verdier, P., Meflah, K., Masliah, C., Perrin, D., Orsonneau, J.-L. and Harb, J.

Lectin binding to serum 5'-nucleotidase and alkaline phosphatase in liver disease (191) 87

Matsubara, F., see Hashimoto, T. (191) 107

Matsushita, M., Irino, T. and Maehata, E. Enzymatic determination of serum total and esterified cholesterol with the same reagents (191) 97

Maurizis, J.-C., see Moyret, C.F. (191) 61 Meflah, K., see Massoubre, C. (191) 87

Mita, H., Tadokoro, K., Yasueda, H. and Shida, T.

Histamine release with a solid-phase-coupled allergen (191) 161

Mok, K.S., see La Belle, M. (191) 153
Mononen, I., see Kaartinen, V. (191) 15
Morinière, P., see Leflon, P. (191) 31
Moyret, C.F., Bernard, D.J., Maurizis, J.-C., Chassagne, J., Plagne, R. and Chollet, P.

Presence of reverse transcriptase in human leukemias and lymphomas (191) 61

Murai, K., see Tsuji, H. (191) 101 Murakami, K., see Kondo, T. (191) 169

Nakashima, K., see Yoshida, Y. (191) 105 Nemat, S., see Kasidas, G.P. (191) 67 Nilsson, L., see Backman-Gullers, B. (191) 49

Öhman, S.

Bayes' theorem should be considered when making decision limits (191) 115 Oliveira, D.B.G., see Grewal, G.K. (191) 93 Orsonneau, J.-L., see Massoubre, C. (191) 87 Oster, T., see Visvikis, A. (191) 221

Palmér, K., see Lundsjö, A. (191) 201 Pedraza-Chaverrí, J., see Arévalo, A.E. (191) 175 Peña, J.C., see Arévalo, A.E. (191) 175 Perrin, D., see Massoubre, C. (191) 87 Plagne, R., see Moyret, C.F. (191) 61 Plaquet, R., see Leflon, P. (191) 31

Reijngoud, D.J., see Schierbeek, H. (191) 39
Rey, F., Chiodoni, G., Braillard, K., Berthod, C. and Lemarchand-Béraud, T.
Free testosterone levels in plasma and saliva as determined by a direct solid-phase radio-immunoassay: a critical evaluation (191) 21
Rose, G.A., see Kasidas, G.P. (191) 67

Sagnella, G.A., see Buckley, M.G. (191) 1 Scherberich, J.E., see Fischer, P. (191) 185 Schierbeek, H., Bijsterveld, K., Chapman, T.E., Van Luijk, W.H.J., Reijngoud, D.J. and Berger, R. Stable isotope dilution analysis of cystine in granulocyte suspensions as cysteine: a powerful method for the diagnosis, the followup, and treatment of patients with cystinosis (191) 39

Schoeppe, W., see Fischer, P. (191) 185 Shida, T., see Mita, H. (191) 161 Siest, G., see Visvikis, A. (191) 221 Singer, D.R.J., see Buckley, M.G. (191) 1 Sörbo, B., see Backman-Gullers, B. (191) 49 Sørensen, G.H., see Engback, F. (191) 239

Tadokoro, K., see Mita, H. (191) 161
Tan, A.C.I.T.L., Kloppenborg, P.W.C. and Benraad, T.J.

Storage and thawing influence plasma levels of immunoreactive atrial natriuretic peptide (191) 111

Taniguchi, N., see Kondo, T. (191) 169
Tsuji, H., Murai, K., Akagi, K. and Fujishima, M.

Ribonuclease activities in liver tissue of patients with chronic liver diseases (191) 101

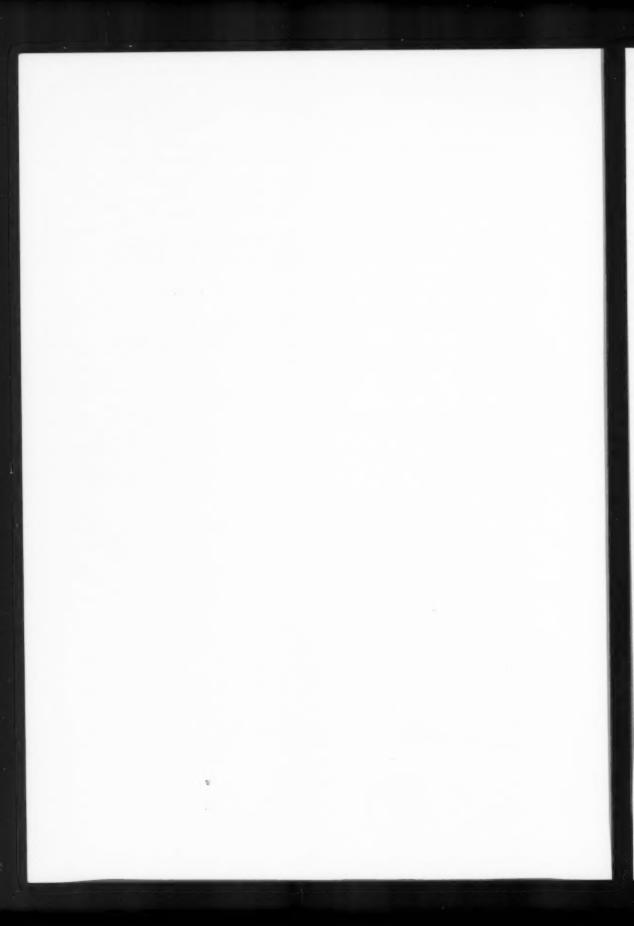
Van Luijk, W.H.J., see Schierbeek, H. (191) 39 Verdier, P., see Massoubre, C. (191) 87

Visvikis, A., Goergen, J.-L., Oster, T., Bagrel, D., Wellman, M., Marc, A., Engasser, J.-M. and Siest, G.

gamma-Glutamyltransferase from human hepatoma cell lines: purification and cell culture of HepG2 on microcarriers (191) 221

Watanabe, K., see Machara, M. (191) 233 Wellman, M., see Visvikis, A. (191) 221

Yasueda, H., see Mita, H. (191) 161 Yoshida, Y. and Nakashima, K. Labile HbA<sub>1e</sub> formation in fractionated erythrocytes in aerobic and anaerobic conditions (191) 105



# Clinica Chimica Acta, Vol. 191

# Subject index

#### Acetyl-CoA

Pyruvate dehydrogenase complex; Lactic acidemia; High-performance liquid chromatography; Platelet; Fibroblast (Machara, M. (191) 233)

#### Alkaline phosphatase

Lectin binding; Serum 5'-nucleotidase; Liver disease (Massoubre, C. (191) 87)

#### Aluminium determination

Bone; Argon plasma; Emission spectrometry (Leflon, P. (191) 31)

#### Amino acid

Blood; Neonatology; Nutritional status (Lundsjö, A. (191) 201)

#### p-Aminobenzoic acid

Lipoamidase; Lipoic acid; Human serum; Breast milk; Inhibitors (Backman-Gullers, B. (191) 49)

#### Aminonucleoside-nephrosis

Angiotensin converting enzyme; Nephrotic syndrome; Puromycin aminonucleoside; Nephrotic rat. (Arévalo, A.E. (191) 175)

# Angiotensin converting enzyme

Nephrotic syndrome; Puromycin aminonucleoside; Aminonucleoside-nephrosis; Nephrotic rat. (Arévalo, A.E. (191) 175)

# Apolipoprotein B

Low density lipoprotein (La Belle, M. (191) 153)

### Argon plasma

Aluminium determination; Bone; Emission spectrometry (Leflon, P. (191) 31)

# Aspartylglycosaminuria

Sample handling; High-performance liquid chromatography (Kaartinen, V. (191) 15)

#### Blood

Amino acid; Neonatology; Nutritional status (Lundsjö, A. (191) 201)

#### Rone

Aluminium determination; Argon plasma; Emission spectrometry (Leflon, P. (191) 31)

#### Breast milk

Lipoamidase; Lipoic acid; p-Aminobenzoic acid; Human serum; Inhibitors (Backman-Gullers, B. (191) 49)

### Carbonic anhydrase I

Enzyme-linked immunoassay; Erythroid cell (Kondo, T. (191) 169)

# Cardiac transplant

ProANP (1-98); Essential hypertension; Renal failure; Volume expansion; Gel filtration (Buckley, M.G. (191) 1)

#### Cell culture

gamma-Glutamyltransferase; Human hepatoma cell line; HepG2; PLC/PRF/5; Microcarrier (Visvikis, A. (191) 221)

#### Clearance

Plasma oxalate; Primary hyperoxaluria (Kasidas, G.P. (191) 67)

# Cysteine

Cystinosis; Isotope dilution; Electron impact mass spectrometry; Tri-butylphosphine (Schierbeek, H. (191) 39)

#### Cystinosis

Isotope dilution; Electron impact mass spectrometry; Tri-butylphosphine; Cysteine (Schierbeek, H. (191) 39)

#### Diabetes mellitus

Hemoglobinopathy; Ion-exchange chromatography; High-pressure liquid chromatography (Engback, F. (191) 239)

#### Electron impact mass spectrometry

Cystinosis; Isotope dilution; Tri-butylphosphine; Cysteine (Schierbeek, H. (191) 39)

**Emission spectrometry** 

Aluminium determination; Bone; Argon plasma (Leflon, P. (191) 31)

Enzyme-linked immunoassay

Carbonic anhydrase I; Erythroid cell (Kondo, T. (191) 169)

Erythroid cell

Carbonic anhydrase I; Enzyme-linked immunoassay (Kondo, T. (191) 169)

**Essential hypertension** 

ProANP (1-98); Cardiac transplant; Renal failure; Volume expansion; Gel filtration (Buckley, M.G. (191) 1)

Fibroblast

Pyruvate dehydrogenase complex; Acetyl-CoA; Lactic acidemia; High-performance liquid chromatography; Platelet (Maehara, M. (191) 233)

Free hormone radioimmunoassay

Free testosterone; Saliva testosterone (Rey, F. (191) 21)

Free testosterone

Saliva testosterone; Free hormone radioimmunoassay (Rey, F. (191) 21)

Fructosamine

Insulin-dependent diabetes; Glycated hemoglobin (Fisken, R.A. (191) 79)

Gel filtration

ProANP (1-98); Essential hypertension; Cardiac transplant; Renal failure; Volume expansion (Buckley, M.G. (191) 1)

gamma-Glutamyltransferase

Human hepatoma cell line; HepG2; PLC/ PRF/5; Cell culture; Microcarrier (Visvikis, A. (191) 221)

gamma-Glutamyltransferase (EC 2.3.2.2)

Monoclonal antibody; Renal cell carcinoma; Human kidney; Isoenzyme (Fischer, P. (191) 185)

Glycated hemoglobin

Insulin-dependent diabetes; Fructosamine (Fisken, R.A. (191) 79)

Hemoglobinopathy

Diabetes mellitus; Ion-exchange chromatogra-

phy; High-pressure liquid chromatography (Engbaek, F. (191) 239)

HepG2

gamma-Glutamyltransferase; Human hepatoma cell line; PLC/PRF/5; Cell culture; Microcarrier (Visvikis, A. (191) 221)

High-performance liquid chromatography

Aspartylglycosaminuria; Sample handling (Kaartinen, V. (191) 15)

Pyruvate dehydrogenase complex; Acetyl-CoA; Lactic acidemia; Platelet; Fibroblast (Maehara, M. (191) 233)

High-pressure liquid chromatography

Diabetes mellitus; Hemoglobinopathy; Ion-exchange chromatography (Engback, F. (191) 239)

Histamine

Histamine release (Mita, H. (191) 161)

Histamine release

Histamine (Mita, H. (191) 161)

Human hepatoma cell line

gamma-Glutamyltransferase; HepG2; PLC/ PRF/5; Cell culture; Microcarrier (Visvikis, A. (191) 221)

Human kidney

gamma-Glutamyltransferase (EC 2.3.2.2); Monoclonal antibody; Renal cell carcinoma; Isoenzyme (Fischer, P. (191) 185)

Human serum

Lipoamidase; Lipoic acid; p-Aminobenzoic acid; Breast milk; Inhibitors (Backman-Gullers, B. (191) 49)

Immunoassay

Sandwich enzyme; Monoclonal antibody (Iwata, K. (191) 211)

Inhibitors

Lipoamidase; Lipoic acid; p-Aminobenzoic acid; Human serum; Breast milk (Backman-Gullers, B. (191) 49)

Insulin-dependent diabetes

Fructosamine; Glycated hemoglobin (Fisken, R.A. (191) 79)

ion-exchange chromatography

Diabetes mellitus; Hemoglobinopathy; Highpressure liquid chromatography (Engback, F. (191) 239)

Isoenzyme

gamma-Glutamyltransferase (EC 2.3.2.2); Monoclonal antibody; Renal cell carcinoma; Human kidney (Fischer, P. (191) 185)

Isotope dilution

Cystinosis; Electron impact mass spectrometry; Tri-butylphosphine; Cysteine (Schierbeek, H. (191) 39)

Lactic acidemia

Pyruvate dehydrogenase complex; Acetyl-CoA; High-performance liquid chromatography; Platelet; Fibroblast (Maehara, M. (191) 233)

Lectin binding

Serum 5'-nucleotidase; Alkaline phosphatase; Liver disease (Massoubre, C. (191) 87)

Leukemia

Reverse transcriptase; Purification assay; Lymphoma (Moyret, C.F. (191) 61)

Lipoamidase

Lipoic acid; p-Aminobenzoic acid; Human serum; Breast milk; Inhibitors (Backman-Gullers, B. (191) 49)

Lipoic acid

Lipoamidase; p-Aminobenzoic acid; Human serum; Breast milk; Inhibitors (Backman-Gullers, B. (191) 49)

Liver disease

Lectin binding; Serum 5'-nucleotidase; Alkaline phosphatase (Massoubre, C. (191) 87)

Low density lipoprotein

Apolipoprotein B (La Belle, M. (191) 153)

Lymphoma

Reverse transcriptase; Purification assay; Leukemia (Moyret, C.F. (191) 61)

Microcarrier

gamma-Glutamyltransferase; Human hepatoma cell line; HepG2; PLC/PRF/5; Cell culture (Visvikis, A. (191) 221) Monoclonal antibody

gamma-Glutamyltransferase (EC 2.3.2.2); Renal cell carcinoma; Human kidney; Isoenzyme (Fischer, P. (191) 185)

Sandwich enzyme; Immunoassay (Iwata, K. (191) 211)

Neonatology

Amino acid; Blood; Nutritional status (Lundsjö, A. (191) 201)

Nephrotic rat.

Angiotensin converting enzyme; Nephrotic syndrome; Puromycin aminonucleoside; Aminonucleoside-nephrosis (Arévalo, A.E. (191) 175)

Nephrotic syndrome

Angiotensin converting enzyme; Puromycin aminonucleoside; Aminonucleoside-nephrosis; Nephrotic rat. (Arévalo, A.E. (191) 175)

Nutritional status

Amino acid; Blood; Neonatology (Lundsjö, A. (191) 201)

Plasma oxalate

Clearance; Primary hyperoxaluria (Kasidas, G.P. (191) 67)

Platelet

Pyruvate dehydrogenase complex; Acetyl-CoA; Lactic acidemia; High-performance liquid chromatography; Fibroblast (Maehara, M. (191) 233)

PLC/PRF/5

gamma-Glutamyltransferase; Human hepatoma cell line; HepG2; Cell culture; Microcarrier (Visvikis, A. (191) 221)

Primary hyperoxaluria

Plasma oxalate; Clearance (Kasidas, G.P. (191)

ProANP (1-98)

Essential hypertension; Cardiac transplant; Renal failure; Volume expansion; Gel filtration (Buckley, M.G. (191) 1)

Purification assay

Reverse transcriptase; Leukemia; Lymphoma (Moyret, C.F. (191) 61)

#### Puromycin aminonucleoside

Angiotensin converting enzyme; Nephrotic syndrome; Aminonucleoside-nephrosis; Nephrotic rat. (Arévalo, A.E. (191) 175)

#### Pyruvate dehydrogenase complex

Acetyl-CoA; Lactic acidemia; High-performance liquid chromatography; Platelet; Fibroblast (Maehara, M. (191) 233)

#### Renal cell carcinoma

gamma-Glutamyltransferase (EC 2.3.2.2); Monoclonal antibody; Human kidney; Isoenzyme (Fischer, P. (191) 185)

#### Renal failure

ProANP (1-98); Essential hypertension; Cardiac transplant; Volume expansion; Gel filtration (Buckley, M.G. (191) 1)

#### Reverse transcriptase

Purification assay; Leukemia; Lymphoma (Moyret, C.F. (191) 61)

#### Saliva testosterone

Free testosterone; Free hormone radioimmunoassay (Rey, F. (191) 21)

#### Sample handling

Aspartylglycosaminuria; High-performance liquid chromatography (Kaartinen, V. (191) 15)

#### Sandwich enzyme

Immunoassay; Monoclonal antibody (Iwata, K. (191) 211)

#### Serum 5'-nucleotidase

Lectin binding; Alkaline phosphatase; Liver disease (Massoubre, C. (191) 87)

# Tri-butylphosphine

Cystinosis; Isotope dilution; Electron impact mass spectrometry; Cysteine (Schierbeek, H. (191) 39)

# Volume expansion

ProANP (1-98); Essential hypertension; Cardiac transplant; Renal failure; Gel filtration (Buckley, M.G. (191) 1)

